

PUERTO RICO

SUMMARY OF PLANT PROTECTION REGULATIONS

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Puerto Rico Department of Agriculture
Plant Quarantine Services
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NURSERY STOCK DEFINITION

Plants and plant products means all vegetable matter, including but not limited to trees, shrubs, vines, forages and farinaceous plants, grains, vegetables, cereals, and parts or plant products such as leaves, stems, branches, roots, fruits, flowers, bulbs, tubers, stolons, cuttings, buds, grafts, seeds, tree trunks and wood. **Vegetative propagative material** means all plants and plant products, trees, shrubs, vines, bulbs, cuttings, grafts, buds, and seeds cultivated or maintained for, or capable of propagation, distribution or sale.

GENERAL SHIPPING REQUIREMENTS

All plants and/or vegetative propagating material introduced into Puerto Rico must be free from sand, soil, earth, and other foreign matter and must be accompanied by an inspection certificate issued by the governmental authorities in charge of enforcing plant quarantine regulations in the state, territory or district in the U.S. from which the material comes. The certificate must bear the name of the state, territory, district or country where the material was cultivated; the name and address of the consignee and importer; and the accepted common name or scientific name of the plant. It must also indicate that the material was duly inspected and is apparently free of plant pests. The material must meet all applicable federal quarantines.

Vegetative propagating material of sugarcane and pineapple is prohibited *except* for introduction by Federal and/or Commonwealth government experiment stations and plant nurseries under special permit issued by the Secretary of Agriculture. All fruits and vegetables must be free from plants, plant parts or other foreign matter. The introduction of soil, earth, sand or other similar material is allowed only under permit granted by the Secretary of Agriculture.

The introduction of plant pests or live insects in any stage is prohibited unless a permit has been obtained previously from the Secretary of Agriculture. All public porters (ships, airlines, etc.) are subject to inspection.

NOXIOUS WEEDS (Contact Department for specific requirements)

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Acacia farnesiana	Jatropha gossypifolia L.
Albizia procera	Juncus effusus
Alnus spp.	Lachnanthes caroliniana
Alternanthera philoxeroides	Lachnocaulon spp s.
Alternanthera sessilis	Lenna valdiviana
Alternanthera spp.	Limnobium spongia
Bacopa spp.	Ludwigia alterifolia
Bidens mitis	Ludwigia repens
Borreria alata	Ludwigia spp.
Brasenia schreberi	Luziola fluitans
Cabomba caroliniana	Mayaca fluviatilis
Cabomba spp.	Melaleuca spp.
Calotropis procera	Micranthemum umbrosum
Cephalanthus occidentalis	Mikania micrantha
Ceratophyllum demersum	Mimosa casta L.
Ceratophyllum spp.	Myriophyllum spicatum
Chara spp.	Myriophyllum aquaticum
Cladium jamaicense	Myriophyllum spp.
Cleome viscosa	Najas guadalupensis
Cleuta mexicana	Nelumbo lutea
Colocasia esculenta	Nuphar luteum
Conna flaccida	Nymphaea odorata
Crinum americanum	Nymphaea mexicana
Cuscuta spp.	Opuntia dillenii
Cyperus odoratus	Orobanche spp.
Datura stramonium L.	Orontium aquaticum
Dichromena spp.	Panicum hemitomon
Egeria densa	Parthenium hysterophorus L.
Eichornia crassipes	Peltandra virginica
Eichvorina spp.	Pennisetum purpureum
Elaeagnus multiflora	Phragmites australis
Elcocharis baldwinii	Pistia stratiotes
Eleucharis spp.	Polygonum spp.
Eleusine indica	Pontederia cordata
Euphorbia heterophylla L.	Potagometer illinoensis
Fuirena scirpoldea	Potamogeton pectinatus
Funcus effusus	Potamogeton spp.
Hydrilla verticillata	Prosopis juliflora
Hydrochloa carolinensis	Rhynchospora spp.
Hydrocotyle spp.	Rottboelia cochinchinensis
Hydrocotyle umbellata	Saccharum spontaneum L.
Imperata brasiliensis trinius	Sagittaria graminea
Imperata cylindrica	Sagittaria lancifolia
Ipomoea spp.	Sagittaria latifolia
Ipomoea triloba L.	Sagittaria spp.
Iris virginica	Salix spp.

<i>Salvinia</i> spp.	<i>Thalata geniculata</i>
<i>Sapium sebifera</i>	<i>Tridax procumbens</i> L.
<i>Saururus cernuus</i>	<i>Typha</i> spp.
<i>Scirpus</i> spp.	<i>Utricularia</i> spp.
<i>Solanum torvum</i> swartz	<i>Utricularia foliosa</i>
<i>Solanum viarum</i> Dunal	<i>Xanthium strumarium</i> L.
<i>Sorghum halepense</i>	<i>Zizania aquatica</i>
<i>Spirodela polyrhiza</i>	<i>Zizaniopsis miliacea</i>
<i>Tamarix</i> spp.	

PLANT VIRUSES (Contact Department for specific requirements)

Bean Pod Mottle Virus	Tobacco Streak Virus
Bean Golden Moaic Virus	Tobacco Ringspot Virus
Citrus Tristeza Virus	Soybean Crinkle Leaf Virus
Cucumber Mosaic Virus	Soybean Chlorotic Montle Virus
Dasheen Mosaic Virus	Soybean Yellow Vein Virus
Papaya Ringspot Virus	Soybean Dwarf Virus
Pepper Mottle Virus	Soybean Mosaic Virus
Potato Virus Y	Cowpea Mild Mottle Virus
Rhynchosia Mosaic Virus	Cowpea Severe Mosaic Virus
Rosa Mosaic Virus	Cowpea Mosaic Virus
Sida Mosaic Virus	Peanut Chlorotic Streak Virus
Sugarcane Mosaic Virus	Peanut Mottle Virus
Tobacco Etch Virus	Peanut Stripe Polyvirus
Tobacco Mosaic Virus	

FUNGAL DISEASES PEANUT

<i>Alternaria</i> spp.	<i>Pestalotiopsis arachidis</i>
<i>A. arachidis</i>	<i>Phoma microspora</i>
<i>A. flavus</i>	<i>Phomopsis sojae</i>
<i>Biopolaris spicifera</i>	<i>Phyllosticta arachidis</i> - hypogaea
<i>Colletotrichum mangenotii</i>	<i>P. Sojaecola</i>
<i>Colletotrichum arachidis</i>	<i>Phymatotrichopsis omnivora</i>
<i>Cristulariella moricola</i>	<i>P. Myriotylum</i>
<i>Cylindrocladium crotalariae</i>	<i>Phizopus</i> spp.
<i>C. scoparium</i>	<i>Sclerotina minor</i>
<i>Leptosphaerulina crassiasca</i>	<i>Sphaceloma arachidis</i>
<i>Neocosmospora vasinfecta</i>	<i>Thielaviopsis basicola</i>
<i>Oidium arachidis</i>	<i>Verticillium dahliae</i>
<i>Olpidium brassicae</i>	

FUNGAL DISEASES SORGHUM

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Acremonium strictum
Ascochyta sorghina
A. Sorghi
Bipolaris sorghicola
Fusarium graminearum
Fusarium moniliforme var. subglutinans
Gloeocerospora sorghi
Periconia circinate

Phoma sorghina
Phyllachora sacchari
Ramulispora sorghicola
Ramulispora sorghi
Sclerophthora macrospora
8porisorium reilianum
Tolyposporium ehrenbergii

FUNGAL DISEASES CORN

Ascochyta spp.
Botryosphaeria zaeae
Cephalosporium maydis
Cercospora zeae-maydis
Claviceps gigantea
Curvularia pallescens
Diplodia macrospora
D. Maydis
Fusarium graminearum
Gloecerospora sorghi
Helminthosporium carbonum
Helminthosporium maydis
Hyalothyridium sp.
Kabatiella zaeae

Penicillium oxalicum
Phaeosphaeria maydis
Peronosclerospora sacchari
Peronosclerospora maydis
Peronosclerospora sorghi
Peronosclerospora philippinensis
Sclerophthora macrospora
Sclerophthora rayssiae var. zaeae
Sclerosporaa graminicola
Sphacelotheca reiliana
Physoderma maydis
Phyllosticta maydis
Pyrenopeziza terrestris

FUNGAL DISEASES SOYBEAN

Aspergillus flavus
Calonectrica crotalariae
Cercopora sojina
Chaetomium cupreum
Choanephora infundibulifera
Colletotrichum truncatum
Colletotrichum destructivum
Dactuliochaeta glycines
Diaporthe phaseolorum var. caulivora
Fusarium oxysporum
Mycoleptodiscus terrestris
Neocosmospora vasinfecta
Nematospora coryli
Phomopsis sojae
Phomopsis longicolla
Phyllosticta sojicola
Phytophthora megasperma
Pythium aphanidermatum

P. debaryanum
P. ultimum
P. irregularare
P. myriotylum
Sclerotinia sclerotiorum
Sclerotium rolfsii
Septoria glycines
Sphaceloma glycines
Thiolaviopsis basicola
colletotrichum dematium
Curvularia spp.
Diaporthe sojae
D. phaseolorum
Fusarium equiseti
F. pallidoroseum f.sp. meridionalis
Fusarium equiseti
F. pallidoroseum
F. solani f. sp. glycines

F. moniliforme
Helicomina sp.
Myrothecium roridum
Nigrospora sp.

Periconia sp.
Phomopsis phaseoli f. sp. *meridionalis*
Phytophthora sojae
Thanatephorus cucumeris

FUNGAL DISEASES CANOLA

A. Brassicicola
Peronospora parasitica

Plasmoidiophora brassicae
Pseudocercospora capsellae

FUNGAL DISEASES SUNFLOWER

Albugo tragopogonis
A. helianthi
A. helianthicola
A. leucanthemi
A. zinnie
Coleosporium hellenthii
C. pacificum
Entyloma polysporium
E.C. var. latispora
Leveillula compositarum
Phialophora asteris
Phoma macdonaldii

Phomosis helianthi
Phytophthora dreschleri
Plasmopara halstedii
P. helianthi
Puccinia helianthi
P. irregulare
Rhizopus microsparus
Sclerotinia minor
Septoria helianthi
Spaerotheca fuliginea
Uromyces junci

FUNGAL DISEASES COTTON

Alternaria macrospora
Aspergillus flavus
Colletotrichum gossypii var.
cephalosporioides
Nematospora coryli
N. nagpuri

Puccinia cacabata
Phomopsis sp.
Phymatotrichopsis omnivora
Thielaviopsis basicola
Verticillium dahliae

BACTERIAL DISEASES PEANUT

Pseudomonas sp.

BACTERIAL DISEASES SORGHUM

Pseudomonas andropogonis
Xanthomonas campestris pv. *holcicola*
Pseudomonas rubrisubalbicans
P. rubrilineans

Pseudomonas spp.
Pseudomonas sorghicola
Pseudomonas avenae

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BACTERIAL DISEASES CORN

Clavibacter michiganensis
Sbsp. nebraskensis
Erwinia chrysanthemi pv. zae

Pseudomonas atrofaciens pv. zae
Pseudomonas avenae

BACTERIAL DISEASES SOYBEAN

Curtobacterium flaccumfaciens pv. flaccumfaciens

BACTERIAL DISEASES CANOLA

Xanthomonas campestris

BACTERIAL DISEASE SUNFLOWER

Pseudomonas syringae pv. aptata
P.S. pv. helianthi

P.S. pv. mellea
Pseudomonas syringe pv. tagetis

BACTERIAL DISEASES COTTON

Erwinia sp.

QUARANTINES OR ADDITIONAL REQUIREMENTS

BACTERIAL CANKER, *Bacterium vesicatorium* Doirolge

AREAS REGULATED: From all sources.

MATERIALS REGULATED: Tomato and pepper seeds.

RESTRICTIONS: Restrictions and/or prohibitions apply.

COFFEE PESTS

AREAS REGULATED: From all sources.

MATERIALS REGULATED: Coffee plants, seeds and coffee products.

RESTRICTIONS: Restrictions and/ or prohibitions apply.

VEGETABLE WEEVIL

PESTS: *Listroderes costirostris obliquus* (Klug) and Whitefringed Beetle, *Graphognathus* spp.

AREAS REGULATED: All states or territories of the U.S. and any foreign country.

MATERIALS REGULATED: Vegetables

RESTRICTIONS: Introduction of these insect pests is prohibited.

TRISTEZA (Quick Decline)

AREAS REGULATED: CA, FL and LA.

MATERIALS REGULATED: All citrus nursery stock.

RESTRICTIONS: Introduction of citrus nursery stock is prohibited.

PALM PESTS

AREAS REGULATED: All states or territories of the U.S. and any foreign country.

MATERIALS REGULATED: All palm plants, palm seeds and palm products (fresh).

RESTRICTIONS: Introduction of regulated materials is prohibited.

MEDITERRANEAN FRUIT FLY, *Ceratitis capitata* (Wiedemann)

AREAS REGULATED: CA or any foreign country.

RESTRICTIONS: Introduction is prohibited.

PLANTAIN AND BANANA PESTS

AREAS REGULATED: All foreign countries.

MATERIALS REGULATED: Seeds and/or vegetative parts and fruits of plantains and bananas.

RESTRICTIONS: Introduction of regulated materials is prohibited.